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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/075,824	02/13/2002	Kenneth Heath	RPS6043D1	1057

7590

09/20/2004

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EXAMINER

NGUYEN, THUKHANH T

ART UNIT PAPER NUMBER

1722

DATE MAILED: 09/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/075,824

Applicant(s)

HEATH, KENNETH

Examiner

Thu Khanh T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10 and 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☒ Certified copies of the priority documents have been received in Application No. 09/549,127.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4/26/04.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zeiter et al (6,269,671) in view of Hoffman (3,685,338).

Zeiter et al disclose a method and apparatus for forming shaped packaging, comprising a pin (6) having a body and a face portion, which has at least two contiguous frusto-conical portions (Fig. 10, a, b, c) having different apex angles (Fig. 10, x, y, z); a platen (8) bearing an indicia forming die (col. 5, lines 7-12) and means for advancing the pin toward the platen (col. 8, lines 61-67); wherein the pin body and the pin face comprises different materials having different friction parameters (col. 5, lines 26-60).

Zeiter et al fail to disclose that the pin having a concave surface having a peripheral edge and indicia thereon.

Hoffman discloses a web forming apparatus, comprising an upper and lower forming stamp (26, 50) having complement concave surfaces, a peripheral edge and a plurality of indication or corrugations (26a, 50a) on the forming surfaces (Fig. 1, 26, 50) for forming a product from a web having a particular shape.

It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to modify Zeiter et al by providing the pin surface having a concave surface,

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a peripheral edge, and a plurality of indications on the forming surface as taught by Hoffman in order to form a product having a concave surface and an embossing pattern on the surface.

3. Claims 10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zeiter et al (5,879,612) in view of Haraga (5,966,976).

Zeiter et al disclose an apparatus and method for manufacturing shaped forms of packaging, comprising a pin (6) having a body (27-29) and a face (30-32) having an indicia thereon (col. 4, lines 27-35), wherein the body having at least two contiguous frusto-conical portions (30, 31) having different apex angles; a platen (1) bearing indicia forming die (8) corresponding with the pin (6), means for advancing the pin toward and in engagement with the platen (col. 8, lines 39-45); wherein the portion of the pin body and the pin face comprises different material having different friction parameters (col. 4, lines 45-67).

Zeiter et al fail to disclose that the pin having a concave surface, a peripheral and wherein the pin body made of different material with different friction parameters than the face of the pin.

Haraga discloses a compression apparatus, comprising a pressing punch having a metal body (7) and an elastic tip/surface (6), wherein the punch have a concave surface (Fig. 2, 5c) and a peripheral edge, in which the concave surface contacts the working blank to press the blank into the die cavity (3b).

It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to modify Zeiter et al by providing a pin having a concave surface with a peripheral edge, in which the pin body comprises different material than the pin face as taught by Haraga, because the concave surface would provide more contact surface than a regulate surface,

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and the peripheral edge would form an edge on the forming article, wherein the elastic material of the punch surface would provide a smooth compression on the bank while the metal punch body would provide the hardness necessary under the compression force.

Response to Arguments

4. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

The Applicant argued that none of the reference alone that anticipates the current amended claims, which requires the pin face having a slightly concave surface and edge perimeter. This new amended issue has been disclosed by Hoffman (3,685,338) and Haraga (5,966,976). Although, each of these references discloses a pressing punch having concave surface and a peripheral edge for different purposes, they all recognize the used of a concave pressing face in forming a sheet material. It would have been obvious to a skilled artisan to modify Zeiter et al ('612 & 671) by providing a concave surface with a peripheral edge as disclosed in Hoffman and Haraga in order to improve the forming of the sheet material in a pressing apparatus.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thu Khanh T. Nguyen whose telephone number is 571-272-1136. The examiner can normally be reached on Monday- Friday, 6:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Benjamin L. Utech can be reached on 571-272-1137. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TN



ROBERT DAVIS
PRIMARY EXAMINER
GROUP 1300-1200

9/2/04